

I Claim:

1. A measuring apparatus, comprising:
  - a housing;
  - a retractable tape disposed within the housing, the retractable tape including indicia corresponding to a distance and adapted to measure an external dimension; and
  - a waveform range finder disposed within the housing, adapted to measure an internal dimension.
2. The apparatus of claim 1, further comprising a laser pointer disposed within the housing.
3. The apparatus of claim 1, further comprising a window adapted to display a dimension measured.
4. The apparatus of claim 3, wherein the window is adapted to display the dimension measured by the sonic range finder.
5. The apparatus of claim 4, wherein the housing has a back side and a front side, wherein the distance from the back side to the front side defines a predetermined distance, the apparatus further comprising a switch on the back side, wherein the window is adapted to display the dimension measured plus the predetermined distance when the switch is engaged during measuring.
6. The apparatus of claim 3, wherein the window is adapted to display the dimension measured by the retractable tape.

7. The apparatus of claim 3, further comprising a standard button configured to direct the window to display the dimension measured in standard units, the standard units including inches and feet or inches.

8. The apparatus of claim 3, further comprising a metric button configured to direct the window to display the dimension measured in metric units, the metric units including meters or centimeters.

9. The apparatus of claim 3, further comprising a save button configured to direct the dimension measured to be saved in a memory, wherein the memory can save a plurality of dimensions.

10. The apparatus of claim 9, further comprising a toggle button configured to display one of the plurality of saved dimensions in the window each time the toggle button is pressed.

11. The apparatus of claim 1, further comprising a lever to lock the retractable tape.

12. A method of measuring an internal dimension and external dimension with a device, the device having a housing, the method comprising:

engaging a waveform range finder within the housing to measure the internal dimension from the housing to a targeted location; and  
extending a retractable tape from within the housing across an item that corresponds to the targeted location to measure the external dimension of the item.

13. The method of claim 12, further comprising pointing a laser light from within the housing at the targeted location.

14. The method of claim 12, further comprising displaying either the internal dimension or the external dimension on a display.

15. The method of claim 14, further comprising depressing a button on a back side of the housing while engaging the waveform range finder.

16. The method of claim 15, further comprising displaying the internal dimension plus the distance from the back side to the front side of the housing on a window.

17. The method of claim 14, further comprising depressing a standard button on the housing to display the dimension measured in either inches or feet and inches.

18. The method of claim 14, further comprising depressing a metric button on the housing to display the dimension measured in either meters or centimeters.

19. The method of claim 14, further comprising depressing a save button to save a dimension measured into a memory.

20. The method of claim 19, further comprising depressing a toggle button to sequentially review the dimensions saved into the memory.

21. A measuring apparatus, comprising:

a housing;

a retractable tape disposed within the housing, the retractable tape including indicia corresponding to a distance and adapted to measure an external dimension;

a waveform range finder disposed within the housing and adapted to measure an internal dimension;

a laser pointer disposed within the housing;

a save button disposed on the housing, wherein upon the depression of the save button, the internal dimension measured by waveform range finder is saved to a memory; and

a display window disposed on the housing, wherein the display is adapted to display the internal dimension measured by the waveform range finder.